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[Torsten Grabs, Klemens Böhm, Hans-Jörg Schek](#)

November 2002 CI KM '02: Proceedings of the eleventh international conference on Information and knowledge management

Publisher: ACM

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A common approach to storage and retrieval of XML documents is to store them in a database, together with materialized views on their content. The advantage over "native" XML storage managers seems to be that transactions and concurrency are free, ...

Keywords: XML storage managers, transaction management for XML

2 [Holistic twig joins: optimal XML pattern matching](#)
[Nicolas Bruno, Nick Koudas, Divesh Srivastava](#)

June 2002 SIGMOD '02: Proceedings of the 2002 ACM SIGMOD international conference on Management of data

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 Full text available: [Pdf](#) (1.34 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

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XML employs a tree-structured data model, and, naturally, XML queries specify patterns of selection predicates on multiple elements related by a tree structure. Finding all occurrences of such a twig pattern in an XML database is a core operation for ...

3 [Structure and value synopses for XML data graphs](#)
[Neoklis Polyzotis, Minos Garofalakis](#)

August 2002 VLDB '02: Proceedings of the 28th international conference on Very Large Data Bases

Publisher: VLDB Endowment

 Full text available: [Pdf](#) (203.45 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 3, Downloads (12 Months): 36, Citation Count: 4


All existing proposals for querying XML (e.g., XQuery) rely on a pattern-specification language that allows (1) path navigation and branching through the label structure of the XML data graph, and (2) predicates on the values of specific path/branch ...

4 [XIRQL: a query language for information retrieval in XML documents](#)
[Norbert Fuhr, Kai Großjohann](#)

September 2001 SIGIR '01: Proceedings of the 24th annual international ACM SIGIR

conference on Research and development in information retrieval


Publisher: ACM

Full text available:  Pdf (234.90 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [in terms](#)

Bibliometrics: Downloads (6 Weeks): 8, Downloads (12 Months): 78, Citation Count: 49


Based on the document-centric view of XML, we present the query language XIRQL. Current proposals for XML query languages lack most IR-related features, which are weighting and ranking, relevance-oriented search, datatypes with vague predicates, and ...

5 Query optimization for OLAP-XML federations

 Dennis Pedersen, Karsten Riis, Torben Bach Pedersen

November 2002 DOLAP '02: Proceedings of the 5th ACM international workshop on Data Warehousing and OLAP

Publisher: ACM

Full text available:  Pdf (205.89 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [in terms](#)





Bibliometrics: Downloads (6 Weeks): 19, Downloads (12 Months): 80, Citation Count: 3

The changing data requirements of today's dynamic business environments are not handled well by current OLAP systems. Physically integrating unexpected data into systems is a long and time-consuming process making logical integration, i.e., federation, ...

Keywords: OLAP, XML, database federations, query optimization

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